



Advances in Genetics, Breeding, and Quality Traits in Forage and Turf Grass

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Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editors

In recent years, much progress has been achieved in the areas of forage and turf grass genetics, functional gene identification, and modification of important quality traits via direct genetic transformation. Recently, the genome sequencing of several important forage and turf grasses has been completed. With the techniques of transcriptomics, proteomics, and metabonomics, many potentially important genes and metabolic regulatory pathways have been suggested or illustrated. To summarize the latest research findings, the Special Issue will encompass the following topics:

1. Development key molecular markers on important quality traits for marker assistant breeding;
2. Gene functional identification on important quality traits, such as stress resistant, biomass yield, forage quality, and so on;
3. Development of fast breeding techniques, such as CRISPR-Cas9 genome editing technology;
4. The molecular mechanisms of grass important trait formation.



mdpi.com/si/99831

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Message from the Editor-in-Chief

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